



Pomorski Uniwersytet Medyczny w Szczecinie

Appendix to Decision No 4/2020

Pomeranian Medical University in Szczecin[PUM]

COURSE SYLLABUS

General information

Name of Course: Elective: Pain - forms , mechanism, treatment	
Type of course	Elective
PUM Faculty	Faculty of Medicine and Dentistry
Field of study	Medicine
Specialization	-
Level of study	Long-term studies
Form of study	Full-time
Year of study /semester	IV, semesters 7 and 8 (block)
Number of ECTS credits allocated	1
Forms of teaching (number of hours)	Lectures (15 hours)
Methods of verification and assessment of learning outcomes *	<input type="checkbox"/> graded credit: <input type="checkbox"/> descriptive credit <input type="checkbox"/> test credit <input type="checkbox"/> practical credit <input type="checkbox"/> oral credit <input checked="" type="checkbox"/> credit without grade <input type="checkbox"/> final exam: <input type="checkbox"/> descriptive credit <input type="checkbox"/> test credit <input type="checkbox"/> practical credit <input type="checkbox"/> oral credit
Head of Unit	Prof. dr hab.n.med. Romuald Bohatyrewicz, MD, prof., Ph.D.
Teaching assistant professor or person responsible for the course	Dr hab. n. med. Joanna Sołek-Pastuszka, MD, Ph.D e-mail: joanna.pastuszka@pum.edu.pl
Name and contact details of unit	Department of Anaesthesiology and Intensive Care of the Pomeranian medical University e-mail: klanest@pum.edu.pl tel. 91 425 3386
Unit's website	https://www.pum.edu.pl/wydzialy/wydzial-medycyny-i-stomatologii/klinika-anestezjologii-i-intensywnej-terapii
Language of instruction	Polish/English

*tick as appropriate, changing to

Detailed information

Course objectives	To acquaint students with basic issues of pathophysiology, pharmacology, the most common pain syndromes and their treatment	
Preliminary requirements in terms of	Knowledge	Pharmacology of analgesics, interactions with other drugs, basic contraindications to their use, adverse reactions. Knowledge of analgesic ladder of WHO
	Skills	A student correctly analyzes clinical cases, plans pain treatment according to current guidelines
	Social competences	Ethical standards, medical confidentiality, the need for self-education

LEARNING OUTCOMES			
Number of learning outcome	A student who has completed of the COURSE knows/can:	SYMBOL (reference to) learning outcomes for the field of study	Method of verifying the learning outcomes*
W01	Knows the principles of pain diagnosis and classification	K_E.W7	Z
W02	Lists and characterizes types of pain	K_E.W7	Z
W04	Knows the basic principles of therapeutic management in pain treatment	K_E.W7	Z
W06	Knows the principles of management of patients suffering from specific pain syndromes	K_E.W7	Z
W07	Knows the principles of pre-emptive analgesia	K_E.W7	Z
U01	Interprets the results of courseive and physical examination	K_E.U24	Z
U02	Performs a differential diagnosis	K_E.U12	Z
U03	Plans diagnostic and therapeutic procedures	K_E.U16	Z
K01	Accepts the need for ethical standards	K_K01	
K02	Demonstrates the habit of self-education, understands the need for lifelong learning	K_K03	
K03	is aware of the patient's rights	K_K11	

Table of learning outcomes in relation to the form of classes							
Number of learning outcome	Learning outcomes	Form of the classes					
		Lecture	Seminar	Practical Exercises	Clinical exercises	Simulations	E-learning
W01	A student knows the principles of pain diagnosis	x					
W02	A student lists and characterizes types of pain	x					
W04	A student knows the basic principles of	x					
W06	A student knows the principles of management of	x					
W06	A student knows the principles of pre-emptive	x					
W07	A student knows the principles of pre-emptive	x					
U01	A student interprets the results of courseive and	x					
U02	A student performs a differential diagnosis	x					
U03	A student plans diagnostic and therapeutic	x					
K01	A student accepts the need for ethical standards	x					
K02	A student demonstrates the habit of self-	x					
K03	A student is aware of the patient's rights	x					

TABLE OF CURRICULUM			
Curriculum number	Curriculum content	Number of hours	Reference to the learning outcomes for the CLASSES
Lectures			
TK01	Pain, types of pain. Pathomechanism, stages of pain conduction.	2	CL2JPW01, CL2JPW03, CL2JPU01, CL2JPU02, CL2JPK02
TK02	Pharmacology of pain management	3	CL2JPW04, CL2JPW05, CL2JPW07, CL2JPK04
TK03	Theory and practice in acute pain management- case demonstration. Theory and practice in chronic pain management - a case demonstration	3	KL2JPW04, KL2JPU03, KL2JPK01, KL2JPK03
TK01	Pain and depression. Behavioral disorders.	3	CL2JPW01, CL2JPW03, CL2JPU01, CL2JPU02, CL2JPK02
TK02	Drug interactions, adverse effects - presentation of clinical cases	2	KL2JPW04, KL2JPU03, KL2JPK01, KL2JPK03
TK03	Specific pain syndromes	2	KL2JPW04, KL2JPU

			03, KL2JPK01, KL2JPK 03
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Recommended Literature:

Reference literature

1. Ból ostry i przewlekły optymalny wybór terapii

Agnieszka Sękowska, Małgorzata Malec-Milewska **Wyd:** Medical Education 2017

2. Kompedium leczenia bólu

Małgorzata Malec-Milewska, Jarosław Woron **Wyd:** Medical Education 2017

Complementary literature

1. <https://ptbb.pl/zasoby/pobierz-pliki/send/46-usmierzanie-bolu-poooperacyjnego-w-chirurgii-ogolnej-2019/205-usmierzanie-bolu-poooperacyjnego-w-chirurgii-ogolnej-2019>

2. <https://ptbb.pl/zasoby/pobierz-pliki>

Student workload

Form of student workload (class participation, activity, report preparation, etc.)	Student workload [h].
	In the teacher's assessment (opinion)
Contact hours with the teacher/instructor	15
Preparation for exercise/seminar	
Reading the indicated literature	5
Writing a lab/exercise report/preparing a project/reference, etc.	
Preparation for a test/short test	
Preparing for the exam	
Other	
Total student workload	20
ECTS credits	0,75

Notes

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*Example Methodss of verification of educational outcomes:

EP - written exam

EU - oral test

ET - test exam

EPR - practical test

K - test

R - paper

S - testing of practical skills

RZĆ - report from practical exercises with discussion of results

O - assessment of student's activity and attitude

SL - Laboratory report

SP - case study

PS - assessment of ability to work independently

W - short test before the beginning of classes

PM - multimedia presentation

and other